

# Ashok Kumar Pandey

## List of Publications by Citations

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133  
papers

2,323  
citations

26  
h-index

40  
g-index

140  
ext. papers

2,531  
ext. citations

5.7  
avg, IF

4.83  
L-index

#	Paper	IF	Citations
133	Study of Self-Diffusion of Monovalent and Divalent Cations in Nafion-117 Ion-Exchange Membrane. <i>Journal of Physical Chemistry B</i> , <b>2001</b> , 105, 9196-9201	3.4	126
132	Exchanges of uranium(VI) species in amidoxime-functionalized sorbents. <i>Journal of Physical Chemistry B</i> , <b>2009</b> , 113, 6328-35	3.4	87
131	Chemical aspects of uranium recovery from seawater by amidoximated electron-beam-grafted polypropylene membranes. <i>Desalination</i> , <b>2008</b> , 232, 243-253	10.3	87
130	Facilitated transport of americium(III) from nitric acid media using dimethyldibutyltetradecyl-1,3-malonamide. <i>Journal of Membrane Science</i> , <b>2000</b> , 177, 163-175	9.6	85
129	Coupled-diffusion transport of Cr(VI) across anion-exchange membranes prepared by physical and chemical immobilization methods. <i>Journal of Membrane Science</i> , <b>2005</b> , 249, 143-152	9.6	71
128	Chitosan-transition metal ions complexes for selective arsenic(V) preconcentration. <i>Water Research</i> , <b>2013</b> , 47, 3497-506	12.5	66
127	Selective preconcentration and determination of chromium(VI) using a flat sheet polymer inclusion sorbent: potential application for Cr(VI) determination in real samples. <i>Analytical Chemistry</i> , <b>2002</b> , 74, 4204-12	7.8	62
126	Formation and characterization of highly crosslinked anion-exchange membranes. <i>Journal of Membrane Science</i> , <b>2003</b> , 217, 117-130	9.6	55
125	Chemically selective membrane optode for Cr(VI) determination in aqueous samples. <i>Analytica Chimica Acta</i> , <b>2004</b> , 515, 311-321	6.6	53
124	Determination and theoretical evaluation of selectivity coefficients of monovalent anions in anion-exchange polymer inclusion membrane. <i>Journal of Membrane Science</i> , <b>2007</b> , 295, 108-113	9.6	47
123	Self-diffusion coefficient of water in Nafion-117 membrane with different monovalent counterions: a radiotracer study. <i>Journal of Membrane Science</i> , <b>2005</b> , 250, 39-45	9.6	45
122	Redox decomposition of silver citrate complex in nanoscale confinement: an unusual mechanism of formation and growth of silver nanoparticles. <i>Langmuir</i> , <b>2014</b> , 30, 2460-9	4	44
121	Adsorptive Preconcentration of Uranium in Hydrogels from Seawater and Aqueous Solutions. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2009</b> , 48, 6789-6796	3.9	42
120	Formation of pore-filled ion-exchange membranes with in situ crosslinking: Poly(vinylbenzyl ammonium salt)-filled membranes. <i>Journal of Polymer Science Part A</i> , <b>2001</b> , 39, 807-820	2.5	41
119	Formation of silver nanoparticles in poly(perfluorosulfonic) acid membrane. <i>Analytical Chemistry</i> , <b>2006</b> , 78, 7169-74	7.8	40
118	Membrane optode for mercury(II) determination in aqueous samples. <i>Journal of Hazardous Materials</i> , <b>2009</b> , 166, 377-82	12.8	39
117	Study on synergistic carriers facilitated transport of uranium(VI) and europium(III) across supported liquid membrane from phosphoric acid media. <i>Hydrometallurgy</i> , <b>2009</b> , 96, 117-122	4	37

116	Nanofiltration using pore-filled membranes: effect of polyelectrolyte composition on performance. <i>Separation and Purification Technology</i> , <b>2001</b> , 22-23, 507-517	8.3	37
115	Highly Sensitive Detection of Arsenite Based on Its Affinity toward Ruthenium Nanoparticles Decorated on Glassy Carbon Electrode. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 2459-65	7.8	36
114	Neck-size distributions of through-pores in polymer membranes. <i>Journal of Membrane Science</i> , <b>2012</b> , 415-416, 608-615	9.6	35
113	Measurement of Absolute Fission Yields in the Fast Neutron Induced Fission of Actinides: <sup>238</sup> U, <sup>237</sup> Np, <sup>238</sup> Pu, <sup>240</sup> Pu, <sup>243</sup> Am, and <sup>244</sup> Cm by Track-Etch-cum-Gamma Spectrometry. <i>Nuclear Science and Engineering</i> , <b>2000</b> , 135, 227-245	1.2	35
112	Silver nanoparticles embedded polymer sorbent for preconcentration of uranium from bio-aggressive aqueous media. <i>Journal of Hazardous Materials</i> , <b>2011</b> , 186, 2051-9	12.8	34
111	Diffusional transport of ions in plasticized anion-exchange membranes. <i>Journal of Physical Chemistry B</i> , <b>2011</b> , 115, 5856-67	3.4	32
110	Changes in the properties of Lexan polycarbonate by UV irradiation. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2013</b> , 295, 61-68	1.2	27
109	Study of pore structure in grafted polymer membranes using slow positron beam and small-angle X-ray scattering techniques. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2007</b> , 254, 278-282	1.2	26
108	Scintillating polymer inclusion membrane for preconcentration and determination of $\alpha$ -emitting actinides. <i>Analytica Chimica Acta</i> , <b>2004</b> , 514, 159-165	6.6	26
107	Estimation of iodine in food, food products and salt using ENAA. <i>Food Chemistry</i> , <b>2009</b> , 115, 706-710	8.5	25
106	Self-diffusion coefficients of water in Nafion-117 membrane with multivalent counterions. <i>Journal of Membrane Science</i> , <b>2006</b> , 284, 193-197	9.6	25
105	Uranium preconcentration from seawater using phosphate functionalized poly(propylene) fibrous membrane. <i>Desalination and Water Treatment</i> , <b>2012</b> , 38, 114-120		23
104	Wonderful nanoconfinement effect on redox reaction equilibrium. <i>RSC Advances</i> , <b>2014</b> , 4, 33366-33369	3.7	22
103	Molecular iodine preconcentration and determination in aqueous samples using poly(vinylpyrrolidone) containing membranes. <i>Talanta</i> , <b>2008</b> , 74, 1313-20	6.2	22
102	Characterization of UV-irradiated Lexan polycarbonate films. <i>Iranian Polymer Journal (English Edition)</i> , <b>2013</b> , 22, 341-349	2.3	21
101	In situ formation of stable gold nanoparticles in polymer inclusion membranes. <i>Journal of Colloid and Interface Science</i> , <b>2009</b> , 337, 523-30	9.3	21
100	Selective preconcentration and determination of iodine species in milk samples using polymer inclusion sorbent. <i>Talanta</i> , <b>2007</b> , 71, 1226-32	6.2	21
99	Pore-functionalized polymer membranes for preconcentration of heavy metal ions. <i>Talanta</i> , <b>2009</b> , 78, 171-7	6.2	20

98	Quaternary ammonium bearing hyper-crosslinked polymer encapsulation on Fe <sub>3</sub> O <sub>4</sub> nanoparticles. <i>RSC Advances</i> , <b>2016</b> , 6, 21317-21325	3.7	19
97	Development of a visual optode sensor for onsite determination of Hg(II). <i>Sensors and Actuators B: Chemical</i> , <b>2015</b> , 211, 346-353	8.5	19
96	Inclusion of silver nanoparticles in host poly(perfluorosulfonic) acid membrane using ionic and non-ionic reductants. <i>Journal of Membrane Science</i> , <b>2010</b> , 352, 247-254	9.6	19
95	Optode for uranium(VI) determination in aqueous medium. <i>Talanta</i> , <b>2008</b> , 76, 60-5	6.2	19
94	Development of optical sensing probe for Hg(II) ions detection in ground water using Au, Hexanedithiol and Rhodamine B nanocomposite system. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 265, 547-555	8.5	18
93	Kinetic aspects of Donnan dialysis through Nafion-117 membrane. <i>Journal of Membrane Science</i> , <b>2012</b> , 415-416, 681-685	9.6	18
92	Extractive fixed-site polymer sorbent for selective boron removal from natural water. <i>Journal of Hazardous Materials</i> , <b>2013</b> , 260, 1023-31	12.8	18
91	Chemically selective polymer substrate based direct isotope dilution alpha spectrometry of Pu. <i>Analytica Chimica Acta</i> , <b>2015</b> , 878, 54-62	6.6	17
90	A fluoride ion selective Zr(IV)-poly(acrylamide) magnetic composite. <i>RSC Advances</i> , <b>2014</b> , 4, 10350	3.7	17
89	Egg-shell membrane mimicking synthetic polymer membrane supported palladium nanoparticles for catalyzing reduction of uranyl(VI) ions. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 203, 53-64	21.8	17
88	Poly(ethylene glycol methacrylate phosphate-co-2-acrylamido-2-methyl-1-propane sulfonate) pore-filled substrates for heavy metal ions sorption. <i>Chemical Engineering Journal</i> , <b>2014</b> , 236, 9-16	14.7	17
87	Electrically-driven facilitated transport of Cs <sup>+</sup> across copper ferrocyanide channels in track etched membrane. <i>Journal of Membrane Science</i> , <b>2013</b> , 434, 93-98	9.6	17
86	Hybrid organic-inorganic anion-exchange pore-filled membranes for the recovery of nitric acid from highly acidic aqueous waste streams. <i>Water Research</i> , <b>2018</b> , 133, 87-98	12.5	16
85	A visual strip sensor for determination of iron. <i>Analytica Chimica Acta</i> , <b>2014</b> , 851, 87-94	6.6	16
84	Permeability of water in poly(perfluorosulfonic) acid membrane with different counterions. <i>Journal of Membrane Science</i> , <b>2007</b> , 295, 21-27	9.6	16
83	Insight into Speciation and Electrochemistry of Uranyl Ions in Deep Eutectic Solvents. <i>Journal of Physical Chemistry B</i> , <b>2020</b> , 124, 181-189	3.4	16
82	Tailored bifunctional polymer for plutonium monitoring. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 6254-61	7.8	15
81	Thin extractive membrane for monitoring actinides in aqueous streams. <i>Journal of Hazardous Materials</i> , <b>2013</b> , 260, 53-60	12.8	15

80	Studies on diffusional mobility and selectivity of I <sup>131</sup> on in plasticized anion-exchange membrane using radiotracer. <i>Radiochimica Acta</i> , <b>2006</b> , 94, 347-350	1.9	15
79	Ultra-low-pressure water softening with pore-filled membranes. <i>Desalination</i> , <b>2001</b> , 140, 265-275	10.3	15
78	Self-diffusion of ions in Nafion-117 membrane having mixed ionic composition. <i>Journal of Physical Chemistry B</i> , <b>2012</b> , 116, 1605-11	3.4	14
77	Backscattering spectrometry studies on metal ion distribution in polymer inclusion membranes. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2003</b> , 211, 138-144	1.2	14
76	Effect of pore characteristics on carrier-facilitated transport of Am(III) across track-etched membranes. <i>Journal of Membrane Science</i> , <b>2001</b> , 190, 9-20	9.6	14
75	Silver nanoparticles stabilized in porous polymer support: A highly active catalytic nanoreactor. <i>Applied Catalysis A: General</i> , <b>2016</b> , 524, 214-222	5.1	14
74	Self-reducing asymmetric polymer membrane for in situ formation and containment of noble metal nanocatalysts. <i>Green Chemistry</i> , <b>2015</b> , 17, 4157-4161	10	13
73	Assembled diglycolamide for f-element ions sequestration at high acidity. <i>Reactive and Functional Polymers</i> , <b>2014</b> , 74, 52-57	4.6	12
72	Iron-complexed adsorptive membrane for As(V) species in water. <i>Journal of Hazardous Materials</i> , <b>2012</b> , 233-234, 131-9	12.8	12
71	Fabrication of Conducting Nanochannels Using Accelerator for Fuel Cell Membrane and Removal of Radionuclides: Role of Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 17628-17640	9.5	11
70	Time resolved growth of membrane stabilized silver NPs and their catalytic activity. <i>RSC Advances</i> , <b>2014</b> , 4, 59379-59386	3.7	11
69	Synthesis and application of a unified sorbent for simultaneous preconcentration and determination of trace metal pollutants in natural waters. <i>Journal of Hazardous Materials</i> , <b>2013</b> , 262, 265-73	12.8	11
68	Ionic transport in polyelectrolyte-filled cation-exchange membranes. <i>Journal of Membrane Science</i> , <b>2013</b> , 446, 125-131	9.6	11
67	Facilitated transport of europium(III) ions across fixed-site membrane. <i>Journal of Membrane Science</i> , <b>2009</b> , 342, 113-120	9.6	11
66	Membrane optode for uranium(VI) ions preconcentration and quantification based on a synergistic combination of 4-(2-thiazolylazo)-resorcinol with 8-hydroxyquinoline. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2009</b> , 74, 1235-41	4.4	11
65	Design of two-dimensional biomimetic uranyl optode and its application to the analysis of natural waters. <i>Talanta</i> , <b>2008</b> , 74, 1420-7	6.2	11
64	Palladium Nanoparticles Hosted on Hydrazine-Grafted Magnetite and Silica Particles to Catalyze the Reduction of Oxymetal Ions with Formic Acid. <i>ChemCatChem</i> , <b>2016</b> , 8, 2981-2987	5.2	10
63	Galvanic reactions involving silver nanoparticles embedded in cation-exchange membrane. <i>Chemical Communications</i> , <b>2010</b> , 46, 6371-3	5.8	10

62	Study on physical and electrostatic interactions of counterions in poly(perfluorosulfonic) acid matrix: Characterization of diffusion properties of membrane using radiotracers. <i>Electrochimica Acta</i> , <b>2007</b> , 52, 5968-5974	6.7	10
61	Studies on the optimisation of optical response of scintillating optodes. <i>Sensors and Actuators B: Chemical</i> , <b>2007</b> , 123, 50-58	8.5	10
60	Polymer-Shell-Encapsulated Magnetite Nanoparticles Bearing Hexamethylenetetramine for Catalysing Aza-Michael Addition Reactions. <i>European Journal of Organic Chemistry</i> , <b>2018</b> , 2018, 5980-5987 <sup>2</sup>	3.7	10
59	Polymer based sorbent materials for thermal ionization mass spectrometric determination of uranium(VI) and plutonium(IV) ions. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2016</b> , 31, 985-993	3.7	9
58	Change in the Affinity of Ethylene Glycol Methacrylate Phosphate Monomer and Its Polymer Anchored on a Graphene Oxide Platform toward Uranium(VI) and Plutonium(IV) Ions. <i>Journal of Physical Chemistry B</i> , <b>2016</b> , 120, 2942-50	3.4	9
57	Palladium Nanoparticles Hosted in Poly(ethylenimine) and Poly(ethylene glycol methacrylate phosphate) Anchored Membranes for Catalyzing Uranyl Ions Reduction and Mizoroki-Heck Coupling Reaction. <i>ACS Applied Nano Materials</i> , <b>2018</b> , 1, 3259-3268	5.6	9
56	Controlled development of pores in polyethylene terephthalate sheet by room temperature chemical etching method. <i>Journal of Membrane Science</i> , <b>2014</b> , 471, 185-191	9.6	9
55	Matrix supported tailored polymer for solid phase extraction of fluoride from variety of aqueous streams. <i>Journal of Hazardous Materials</i> , <b>2012</b> , 201-202, 193-201	12.8	9
54	Understanding nitric acid-induced changes in the arrangement of monomeric and polymeric methacryloyl diglycolamides on their affinity toward f-element ions. <i>Journal of Physical Chemistry B</i> , <b>2015</b> , 119, 212-8	3.4	9
53	Local Conditions Influencing In Situ Formation of Different Shaped Silver Nanostructures and Subsequent Reorganizations in Ionomer Membrane. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 12026-12037 <sup>3</sup>	3.8	9
52	Dual-Functional Grafted Electrospun Polymer Microfiber Scaffold Hosted Palladium Nanoparticles for Catalyzing Redox Reactions. <i>Macromolecular Chemistry and Physics</i> , <b>2017</b> , 218, 1600555	2.6	8
51	Copper ferrocyanide loaded track etched membrane: an effective cesium adsorbent. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , <b>2015</b> , 304, 697-703	1.5	8
50	Spacer Monomer in Polymer Chain Influencing Affinity of Ethylene Glycol Methacrylate Phosphate toward UO <sub>2</sub> <sup>2+</sup> and Pu <sup>4+</sup> Ions. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2016</b> , 55, 8992-9002	3.9	8
49	Scintillating adsorptive membrane for preconcentration and determination of anionic radionuclides in aqueous samples. <i>Analytical Methods</i> , <b>2010</b> , 2, 728	3.2	8
48	Solid phase preconcentration and determination of mercury and uranyl ions using an itaconic acid functionalized adsorptive membrane. <i>Analytical Methods</i> , <b>2011</b> , 3, 2017	3.2	8
47	Molecular iodine selective membrane for iodate determination in salt samples: chemical amplification and preconcentration. <i>Analytical and Bioanalytical Chemistry</i> , <b>2008</b> , 391, 1081-9	4.4	8
46	Superparamagnetic bi-functional composite bead for the thermal ionization mass spectrometry of plutonium(IV) ions. <i>RSC Advances</i> , <b>2016</b> , 6, 3326-3334	3.7	7
45	Pore-Filled Scintillating Membrane as Sensing Matrix for $\alpha$ -Emitting Actinides. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 3796-803	7.8	7

44	Thermal studies on unirradiated and irradiated polymer of allyl diglycol carbonate. <i>Thermochemica Acta</i> , <b>1995</b> , 254, 331-336	2.9	7
43	Actinides selective extractants coated magnetite nanoparticles for analytical applications. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , <b>2017</b> , 312, 675-683	1.5	6
42	Functionalized polymer sheet sorbent for selective preconcentration and determination of mercury in natural waters. <i>Analytical Methods</i> , <b>2014</b> , 6, 7823-7830	3.2	6
41	Effects of radiations on the characteristics of alpha and fission tracks in CR-39 detectors. <i>Radiation Effects and Defects in Solids</i> , <b>1994</b> , 129, 335-343	0.9	6
40	Trace element determinations in uranium by Total reflection X-Ray Fluorescence spectrometry using a newly developed polymer resin for major matrix separation. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>2018</b> , 150, 18-25	3.1	6
39	Phosphate functionalized radiation grafted Teflon for capturing and quantifications of U(VI) and Pu(IV) ions at ultra-trace concentration in aqueous samples. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , <b>2018</b> , 317, 1141-1149	1.5	5
38	Selective removal of arsenic(V) from natural water using N-methyl-D-glucamine functionalized poly(propylene) membranes. <i>Journal of Environmental Chemical Engineering</i> , <b>2014</b> , 2, 2221-2228	6.8	5
37	Counter-ions diffusion properties of silica embedded poly(perfluorosulfonic) acid membrane. <i>Journal of Membrane Science</i> , <b>2011</b> , 382, 262-270	9.6	5
36	Interdiffusion of exchanging counterions in poly(perfluorosulfonic acid) membrane. <i>Journal of Physical Chemistry B</i> , <b>2009</b> , 113, 12482-8	3.4	5
35	Arsenic quantification and speciation at trace levels in natural water samples by total reflection X-ray fluorescence after pre-concentration with N-methyl-D-glucamine functionalized quartz supports. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2020</b> , 35, 2770-2778	3.7	5
34	Functionalized glass fiber membrane for extraction of iodine species. <i>Separation Science and Technology</i> , <b>2019</b> , 54, 1469-1477	2.5	5
33	Pd <sup>2+</sup> -Loaded Magnetic Nanoassembly Formed by Magnetite Nanoparticles Crosslinked with Poly(acrylic acid) via Amide Bonds for Catalyzing Mizoroki-Heck Coupling Reaction. <i>ChemistrySelect</i> , <b>2018</b> , 3, 8151-8158	1.8	4
32	Supported liquid membrane based loading technique for thermal ionization mass spectrometry: an application to plutonium isotopic composition and concentration determination. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , <b>2018</b> , 317, 1367-1376	1.5	4
31	Phosphate-bearing polymer grafted glass for plutonium(IV) ion-selective alpha spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2017</b> , 32, 1566-1570	3.7	4
30	Thin film of poly(bis[2-(methacryloyloxy)ethyl]phosphate) grafted on surface of poly(ether sulfone) membrane for plutonium(IV)-selective alpha tracks registration in CR-39 detector. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , <b>2017</b> , 314, 187-196	1.5	4
29	A novel approach to prepare (90)Y-EGMP patches for superficial brachytherapy. <i>Applied Radiation and Isotopes</i> , <b>2009</b> , 67, 1416-20	1.7	4
28	Poly(ethylenimine) functionalized magnetic nanoparticles for sorption of Pb, Cu, and Ni: potential application in catalysis. <i>Separation Science and Technology</i> , <b>2019</b> , 54, 1588-1598	2.5	4
27	Optode sensor for on-site detection and quantification of hydroxide ions in highly concentrated alkali solutions. <i>RSC Advances</i> , <b>2015</b> , 5, 72893-72899	3.7	3

26	Plasticised polymer inclusion membrane as tunable host for stable gold nanoparticles. <i>International Journal of Nanotechnology</i> , <b>2010</b> , 7, 953	1.5	3
25	Facilitated transport of dibutylphosphate across fixed-site membrane. <i>Journal of Membrane Science</i> , <b>2008</b> , 318, 452-457	9.6	3
24	Facilitated Transport of Americium(III) from Nitric Acid Media using 3-Phenyl-4-Benzoyl-5-Isoxazolone and Tri-N-Octyl Phosphine Oxide in Dodecane as the Carrier. <i>Radiochimica Acta</i> , <b>1999</b> , 84, 147-152	1.9	3
23	Assay of uranium in U-bearing waste produced at natural uranium metal fuel fabrication plants by gamma-ray spectrometry. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>1994</b> , 337, 594-597	1.2	3
22	Lithium-Irradiated Poly(vinylidene fluoride) Nanohybrid Membrane for Radionuclide Waste Management and Tracing. <i>ACS Applied Polymer Materials</i> , <b>2021</b> , 3, 2005-2017	4.3	3
21	Polymeric nanoassembly of imine functionalized magnetite for loading copper salts to catalyze Henry and A3-coupling reactions. <i>Reactive and Functional Polymers</i> , <b>2021</b> , 161, 104868	4.6	3
20	Poly(ethylene glycol methacrylate phosphate) grafting on silica shell formed on magnetite nanoparticles: applications to selective sequestration of f-element ions. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , <b>2018</b> , 318, 1171-1179	1.5	3
19	Palladium Acetate and Pd Nanoparticles Loaded Hexamethylenetetramine Anchored Magnetically Retrievable Assemblies for Catalyzing Mizoroki-Heck Type Mono and Gem-Dicoupling Reactions. <i>ChemistrySelect</i> , <b>2020</b> , 5, 1961-1971	1.8	2
18	Permeation of uranyl ions across Nafion-117 membrane. <i>Desalination</i> , <b>2010</b> , 262, 129-133	10.3	2
17	Helium-ion-induced fission excitation functions of terbium and ytterbium. <i>Physical Review C</i> , <b>1993</b> , 48, 87-94	2.7	2
16	Remediation of chromium(VI) ions as chromium oxide xerogel via gamma-radiolysis of aqueous waste discharge. <i>Separation and Purification Technology</i> , <b>2020</b> , 236, 116291	8.3	2
15	Track revelation and optical properties of pentaerythritol tetrakis (allyl carbonate) plastic for application as nuclear track detector: effects of gamma radiations. <i>Radiation Effects and Defects in Solids</i> , <b>2017</b> , 172, 567-574	0.9	1
14	Determination of track registration efficiency and radiation chemical yield for loss of ester bonds due to gamma rays in Cellulose Acetate Butyrate (CAB) nuclear track detector. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , <b>2010</b> , 286, 181-183	1.5	1
13	One step sample treatment and loading using a deep eutectic solvent immobilized in a porous substrate for thermal ionization mass spectrometry of Pu(IV) ions. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2020</b> , 35, 2315-2321	3.7	1
12	Deep eutectic solvent-based extraction of uranium(VI) from a wide range acidity and subsequent determination by direct loading in thermal ionization mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2021</b> , 36, 590-597	3.7	1
11	Formation of pore-filled ion-exchange membranes with in situ crosslinking: Poly(vinylbenzyl ammonium salt)-filled membranes <b>2001</b> , 39, 807		1
10	Functionalized Fluoropolymer Membrane for Fuel Cell Applications <b>2022</b> , 517-540		1
9	Application of gamma-ray spectrometry for the assay of uranium in crude UF <sub>4</sub> input material used for producing nuclear grade U-metal at the natural uranium conversion plants. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , <b>1995</b> , 201, 165-170	1.5	0



8	Study on formation of Pd nanocatalyst in self-reducing silica nanotube produced by using sacrificial Fe <sub>3</sub> O <sub>4</sub> template and its efficacy in Cr(VI) reduction. <i>Materials Chemistry and Physics</i> , <b>2022</b> , 278, 125580	4.4	○
7	Alpha track registration and revelation in CR-39 using new etching method for ultratrace alpha radioactivity quantification in solution media. <i>Radiochimica Acta</i> , <b>2021</b> , 109, 503-512	1.9	○
6	Silver nanoparticles embedded cation-exchange membrane for remediation of Hg species and application as the dip catalyst in organic transformation. <i>Materials Today Chemistry</i> , <b>2021</b> , 22, 100547	6.2	○
5	Cadmium(II)-Loaded Fe <sub>3</sub> O <sub>4</sub> @MPTS Nanoparticles: Preparation and Application as Catalyst for C-N Coupling Reactions. <i>ChemistrySelect</i> , <b>2019</b> , 4, 11796-11800	1.8	
4	New Anion-Exchange Membranes for the Selective Transport of Platinum. <i>Procedia Engineering</i> , <b>2012</b> , 44, 1293-1295		
3	Matrix dependent spatial distributions of in situ formed rhodium nanostructures in ion-exchange membranes. <i>Materials Today Chemistry</i> , <b>2021</b> , 22, 100610	6.2	
2	Studies on the preparation and characterization of 90Y-EGMP patches designed for superficial skin brachytherapy. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , <b>2021</b> , 328, 387-396	1.5	
1	Understanding water mediated proton migration in conversion of C=C bond in olefinic carbon atoms into C-N bond to form β-amino adducts. <i>Tetrahedron</i> , <b>2021</b> , 132482	2.4	